

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/09472

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ H04N5/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ H04N5/44, H04N5/64, H04B1/08, H05K9/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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|---|-----------|
| Japanese Utility Model Publication Gazette | 1922-1996 |
| Japanese Utility Model Laid Open Gazette | 1971-2003 |
| Registered Utility Model Specification | 1994-2003 |
| Japanese Utility Model Registration Gazette | 1996-2003 |

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| Y A | JP 2000-294950 A (Matsushita Electric Industrial Co., Ltd.), 20 October, 2000 (20.10.00), Full text (Family: none) | 1-2, 5 3-4 |
| Y A | JP 11-163755 A (Sharp Corp.), 18 June, 1999 (18.06.99), Full text (Family: none) | 1-2, 5 3-4 |
| Y | JP 2001-345765 A (Sony Corp.), 14 December, 2001 (14.12.01), Par. Nos. [0014] to [0025] (Family: none) | 1-2, 5 |

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

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| Date of the actual completion of the international search 17 October, 2003 (17.10.03) | Date of mailing of the international search report 28 October, 2003 (28.10.03) |
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| Name and mailing address of the ISA/ Japanese Patent Office | Authorized officer 5P/9187 Examiner, Patent Office |
| Facsimile No. | Telephone No. |

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| A | <p>Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 107173/1988 (Laid-open No. 28124/1990) (Sanyo Electric Co., Ltd.), 23 February, 1990 (23.02.90), Full text (Family: none)</p> | 3, 4 |